Ezi Security Systems

SERIOUS SECURITY IS EZI

HVM SECURITY PRODUCTS

SURFACE MOUNTED HVM SECURITY PRODUCTS

ISO 22343-1:2023

NO GROUND FIXING

FREESTANDING

CONTENTS

IN THIS CATALOGUE

01	Benders Safe 4M Bench-Barrier	ISO 22343-1 · 4m bench · 8,000kg
02	Benders SICURA	ISO 22343-1 · 48kph · planter box
03	Benders SuperEllipse	ISO 22343-1 · 64kph · freestanding
04	Surface Mounted Planter	PAS68:2010 · 64kph · surface mount
05	Crash Bench 40	IWA-14:2013 · 64kph · surface mount
06	Crash Block 30 & 40	PAS68 / IWA-14 · 48-64kph
07	Crash Block 50	PAS68 / IWA-14 · up to 80kph

All seven systems are freestanding or surface mounted, requiring no ground fixing or foundations, and are independently crash tested to ISO 22343-1:2023 and equivalent PAS68 / IWA-14 standards for rapid, low-disruption deployment.

BENDERS SAFE 4M BENCH-BARRIER

ISO 22343-1:2023 CRASH TESTED

CRASH TESTED
SAFE 4M
8,000 KG

BUILT-IN PROTECTION FOR BUSY PUBLIC SPACES

Safe 4M bench-barriers help create a secure and safe urban environment while enhancing the streetscape and blending naturally into their surroundings.

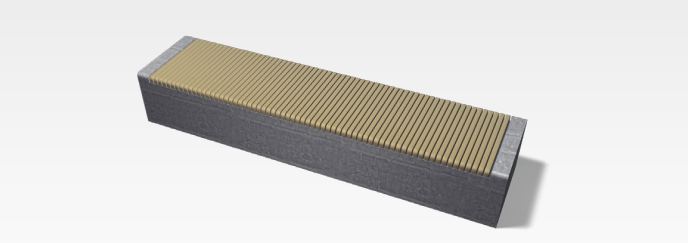
Manufactured from Swedish concrete and crash tested to ISO 22343-1:2023, this four-metre barrier offers both a high level of security and an attractive design.

Each unit doubles as public seating with a wooden seat, so protection is built into everyday street furniture.

PRODUCT BENEFITS

- Hostile vehicle protection disguised as public seating
- Crash tested to ISO 22343-1:2023
- Solid Swedish concrete construction
- Wooden seat built into every unit
- Single 4 m long, 8,000 kg unit
- Blends naturally into streetscapes and public spaces

THE PRODUCT



SAFE 4M
4000 mm long · 8,000 kg

CRASH TESTED
ISO 22343-1:2023

TECHNICAL DETAILS:

- **Material:** Swedish concrete.
- **Dimensions:** 4000 mm long × 925 mm wide × 650 mm high.
- **Seating:** wooden seat fitted to the top of the unit.
- **Crash testing:** Safe 4M is crash tested to ISO 22343-1:2023.

Type	Length (mm)	Width (mm)	Height (mm)	Weight (kg/pc)	Timber seat	Crash tested
SAFE 4M (wooden seat)	4000	925	650	8,000	Yes	**Yes**

Ezi Security Systems
SERIOUS SECURITY IS EZI

PSSA

ASIAL

Benders

11 COOPER ST, SMITHFIELD, NSW, AUSTRALIA 2164 | 1300 558 304 | SALES@EZISECURITY.COM | WWW.EZISECURITY.COM.AU

BENDERS SICURA

SURFACE MOUNTED PLANTER BOX

The planter box is both a vehicle barrier and a piece of urban furniture designed for planting trees or flowers.

The Bender SICURA Planter Box is manufactured in concrete with a 4 mm steel plate shell. The product is made in Sweden, and the concrete uses an alternative binder in the form of slag. This replaces 20% of the product's total cement requirement and significantly reduces the overall climate impact.

The furniture unit features a frame made from Swedish pine, surface-treated with a stain specially developed for tough climates. All steel components are corrosion-protected to C3 classification and powder-coated for a long service life. The powder coating colour and gloss level can be selected to suit each project. Reflective paint can also be used to improve visibility.

The SICURA 1350 × 1350 Planter Box has been crash-tested as a stagged triple set in accordance with the new ISO 22343-1:2023 standard. The crash test demonstrates that a vehicle comes to a complete stop and becomes inoperable after collision with the SICURA Planter Box.

A major advantage of the product is its quick and easy installation, as no ground anchoring is required. This makes it a freestanding street furniture solution, ideal for active and densely populated urban environments.

In traffic applications, the planter box is intended to fully or partially block a roadway, or to force road users to reduce their speed. Vehicle barriers are often installed to improve traffic safety in cities and densely built-up areas.

The steel construction gives the product smooth visible surfaces, making it well suited to the harsh conditions of urban environments. The unit is also fitted with threaded inserts embedded in the concrete, allowing relocation with lifting anchors and easy movement by forklift truck.

The planter box can also be supplied with an irrigation system. It is now also available as a customisable product, consisting of a plastic planter box with a separate insert, making replanting easy and fast.

Performance classification:
ISO 22343-1 : 2023 Wall
V/7200[N2A]/48/90:5,1/12.9

SICURA
2000mm L x 1000mm W x 900mmm H

1580kg plus 1700kg planting weight

SICURA ROUND
1394mm x 900mmm H

2340kg plus 550kg planting weight

SICURA
1350mm L x 1350mm W x 900mmm H

2320kg plus 700kg planting weight

BENDERS SUPERELLIPSE

FREESTANDING VEHICLE BARRIER

Superellipse is a freestanding vehicle barrier designed for active and densely populated urban environments.

The product has been crash-tested in accordance with ISO 22343-1:2023, which replaces IWA 14 and PAS 68. The crash test confirms that the impacting vehicle is brought to a complete stop and rendered inoperable upon collision.

A key advantage of Superellipse is its rapid and straightforward installation, as no ground anchoring or fixing is required. This makes it an ideal freestanding barrier solution for dynamic city environments where flexibility, speed of deployment, and minimal disruption are essential.

In traffic applications, Superellipse is intended to fully or partially block access to a roadway or to force vehicles to reduce speed.

The concrete construction gives the product smooth and visually refined surfaces, resulting in a durable vehicle barrier well suited to withstand harsh urban climate conditions.

Block Measurements	1875mm L x 1630mm W x 800mm
Block Spacing	3200mm Centre to Centre
Foundation Depth	N/A
Crash Test Rating	ISO 22343-1 : 2023 Wall V/7200[-N2A]/64/90:6.33/0.0
Minimum array	One

SURFACE MOUNTED PLANTER (PAS68:2010) V/7200[N2]/64/90:5.5

BULLET PROOF, CAN BE USED AS RETREAT AREA

Due to the popularity of Safetyflex's surface mount Crash Block, our design team have responded to client requests to transform the block into a Surface Mount Planter that can be integrated with a bench to fit seamlessly into existing public realm schemes whilst providing instant HVM protection.

Surface Mount Planter 40 has been crash rated to mitigate a 7.5 tonne truck travelling to 64kph. It is completely free standing, requires no foundations, pinning or fixings, so can be installed in as little as one hour, eliminated the need for length and unpredictable excavation works.

An additional benefit of the Surface Mount Planter is that as well as providing instant HVM protection, it can also be used as flood defence along river banks.

KEY FEATURES

- No ground fixing
- Bespoke size options available
- Completely free standing
- Once hit, planter can be removed
- Low cost installation

APPLICATION

- Airports
- Sports Arenas
- Retail Parks
- Police Stations
- Critical Infrastructure
- Government Buildings
- Conference centres

CRASH BENCH 40 (IWA141:2013) V/7200[N2A]/64/90:16.9

STOPS A 7.5 TONNE VEHICLE AT 40MPH / 64KPH

Safetyflex's Crash Bench 40 - IWA-14 Crash Tested Surface Mount Bench mitigates a 7.5 tonne truck travelling at 40mph/64kph. This unique anti-terrorist security bench has been developed by the Safetyflex design team as part of our new street furniture range.

This product has a dual purpose and is not just a security block - it can also be used for leisure with the inclusion of seats and tables. This project can also be used for flood defence by river banks, as it is not fixed to the ground and can be moved around to suit your requirements.

An area is marked out on the floor area where you require installation, and the crash bench is placed on the surface. There are no foundations, no pinning and no fixings required, as the product is completely surface mounted and comes ready for use with a single bench as standard. If required, an additional bench can be supplied to transform the Crash Bench 40 into a double bench.

11 COOPER ST, SMITHFIELD, NSW, AUSTRALIA 2164 | 1300 558 304 | SALES@EZISECURITY.COM | WWW.EZISECURITY.COM.AU

CRASH BLOCK 30 / 40

(PAS68:2013) V/7500[N2]/64/90:5.5
(IWA141:2013) V/7200[N2A]/64/90:6.7
(IWA141:2013) V/7200[N2A]/48/90:4.1
(IWA141:2013) V/7200[N2A]/48/90:2.9

FREE STANDING BLOCK CRASH RATED AT BOTH 48 KPH AND 64 KPH

The world's only high speed (BSI IWA14) Multiple Crash Rated Surface Mount Crash Block. As the growing threat of Terrorist Attacks on the public gets worse new ways of mitigating them have been developed by the Safetyflex design team to give instant H.V.M Protection. Crash Block 40 is a Surface Mount Block that has a special unique design that lets the block just sit on the surface of the ground with no ground fixing. It is completely free standing.

Three High Speed Impact Tests were carried out on the block at (Horiba Mira) Vehicle Impact Testing Centre in the UK to BSI IWA14:2013 N2A Impact test protocols. The first test was at 30mph/48km/h at 90 Degrees into the front face of the block. The second test was 40mph/64km/h at 90 Degrees into the front face of the Block. The third impact test was at 90 degrees into a gap of 1.2 meters between the two blocks at a speed of 30mph/48km/h with 7.5ton truck crashing into the gap, with a result of only 2.9 metres penetration only.

The great advantage with Crash Block 40-Plus is it can be a permanent or temporary solution as it only takes hours to install. They can also be dressed in a cladding of choice or fitted with a Planter with seating benches. All work can be done without disturbing existing groundwork. NO requirements for foundation.

Ezi Security Systems
SERIOUS SECURITY IS EZI

safety flex
ANTI-TERRORIST BOLLARDS BARRIERS & CRASH FENCES

PSSA Perimeter Security Suppliers Association

ASIAL MEMBER
AUSTRALIAN SECURITY INDUSTRY ASSOCIATION LIMITED

11 COOPER ST, SMITHFIELD, NSW, AUSTRALIA 2164 | 1300 558 304 | SALES@EZISECURITY.COM | WWW.EZISECURITY.COM.AU

CRASH BLOCK 50

(PAS68:2013) V/7500[N2]/64/90:5.5 (IWA141:2013 V/7200[N2A]/64/90:6.7 (IWA141:2013) V/7200[N2A]/48/90:4.1
(IWA141:2013) V/7200[N3C]/80/90:19.1 (IWA141:2013) V/7200[N2A]/48/90:2.9

THE WORLD'S ONLY HIGH SPEED MULTIPLE CRASH RATED BLOCK

As the growing threat of Terrorist Attacks on the public gets worse, new ways of mitigating them have been developed by Safetyflex's design team to give instant H.V.M Protection. Crash Block 50 is a surface mount block that has a special, unique design that lets the block just sit on the surface of the ground with no ground fixing. It is completely free standing and can stop a 18 tonne GVW truck travelling at 50mph/80km/h.

Four high speed impact tests were carried out on the block at (Horiba Mira) UK to BSI IWA14 impact test protocols. The first test was at 30mph/48kph at 90 degrees with a 7.5 tonne truck into the front face of the block. The second test was 40mph/64kph at 90 degrees with a 7.5 tonne truck into the front face of the block. The third test was an 18 tonne truck at 50mph/80kph at 90 degrees into the end face of the block. All tests were carried out on the same block.

BONUS TEST
The blocks were impact tested at 90 degrees into a gap of 1.2 meters between the two blocks at a speed of 30mph/48kph with a 7.5 tonne truck crashing into the gap with a result of 2.9m penetration only.

The great advantage with Crash Blocks is that they can be permanent or temporary solutions as it only takes hours to install. They can also be dressed in a cladding of choice, or fitted with a planter with seating benches. All work can be done without disturbing existing ground work.

Ezi Security Systems
SERIOUS SECURITY IS EZI

safetyflex
ANTI-TERRORIST BOLLARDS BARRIERS & CRASH FENCES

PSSA Perimeter Security Suppliers Association

ASIAL MEMBER
AUSTRALIAN SECURITY INDUSTRY ASSOCIATION LIMITED

11 COOPER ST, SMITHFIELD, NSW, AUSTRALIA 2164 | 1300 558 304 | SALES@EZISECURITY.COM | WWW.EZISECURITY.COM.AU

EZI SECURITY SYSTEMS

11 Cooper St, Smithfield, NSW, Australia 2164

1300 558 304

sales@ezisecurity.com

www.ezisecurity.com.au